

Marc Girons Lopez

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Birth	5 September 1986, Barcelona (Spain)	Github://	GironsLopez
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EDUCATION

2016 **PhD, Hydrology**
Uppsala University, Uppsala (Sweden)

2011 **Msc, Earth Sciences (Hydrology/Hydrogeology)**
Uppsala University, Uppsala (Sweden)

2009 **Bsc, Geology**
Universitat Autònoma de Barcelona (UAB), Barcelona (Spain)

2008 **ERASMUS Program**
Université Joseph Fourier (Grenoble 1), Grenoble (France)

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

Girons Lopez, M., Wennerström, H., Nordén, L.-Å., Seibert, J. (2015) Location and density of Rain Gauges for the Estimation of Spatial Varying Precipitation. *Geografiska Annaler. Series A, Physical Geography*.

MANUSCRIPTS UNDER PREPARATION

Girons Lopez, M., Seibert, J. (2016). Influence of Meteorological Data Spatial Aggregation on Streamflow Modelling. *Manuscript submitted for publication*.

Girons Lopez, M., Di Baldassarre, G., Seibert, J. (2016). Assessing the Impact of Social Memory on Flood Early Warning Systems. *Manuscript submitted for publication*.

Rivera, S., **Girons Lopez, M.**, Minsker, B., Seibert, J. (2016). Probabilistic Flood Mapping Using Volunteered Geographical Information. *Manuscript under preparation*.

THESIS

Girons Lopez, M. (2011) Modelling Climatic and Hydrological Variability in Lake Babati, Northern Tanzania. *Master Thesis, Stockholm University, Sweden*.

CONFERENCE CONTRIBUTIONS

Girons Lopez, M., Di Baldassarre, G., Grabs, T., Halldin, S., Seibert, J. (2016) Impact of Social Memory on the Efficiency of Flood Early Warning Systems (FEWS). *13th Congress INTERPRAEVENT 2016, Lucerne, Switzerland*.

Girons Lopez, M., Di Baldassarre, G., Grabs, T., Halldin, S., Seibert, J. (2016) Exploring the Role of Social Memory of Floods for Designing Flood Early Warning Operations. *EGU General Assembly, Vienna, Austria*.

Rivera, S., **Girons Lopez, M.**, Minsker, B., Seibert, J. (2015) Probabilistic Flood Mapping using Volunteered Geographical Information. *3rd CUAHSI Conference on Hydroinformatics, Tuscaloosa, Alabama.*

Girons Lopez, M., Seibert, J., Halldin, S., Wennerström, H. (2013) Value of distributed precipitation for flood early warning: A case study for a pre-alpine catchment in Switzerland. *Knowledge for the Future - Joint IAHS-IAPSO-IASPEI Assembly, Gothenburg, Sweden.*

Mbanguka, R. P., **Girons Lopez, M.**, Jarsjö, J. (2013) A Water Balance Model for Assessing Hydro Climatic Variability in Tropical Lake Systems: Application to Lake Babati and Lake Emakat, Northern Tanzania. *EGU General Assembly, Vienna, Austria.*

TEACHING

TRAINING

2015 **Academic Teacher Training Course II**
Uppsala University, Uppsala (Sweden)

INSTRUCTOR

Climate and Landscape

Uppsala University, Spring 2013

Taught the part of the course related with water in the landscape

Hydrology and Water Resource Management

Uppsala University, Autumn 2012 - 2016

Taught the part of the course related with atmospheric water, led field runoff measurements and a water balance estimation project, constructed and graded exams.

Field Methods in Earth Science

Uppsala University, Spring 2015 - 2016

Taught how to use data loggers for environmental modelling and led a project on evapotranspiration estimation based on field measurements.

Groundwater and Surface Water Modelling

Uppsala University, Spring 2015 - 2016

Taught the fundamentals of hydrological with HBV, led a project on hydrological modelling and held a seminar.

TEACHING ASSISTANT

Meteorology, hydrology and Environmental Measurement Techniques

Uppsala University, Autumn 2013 - 2016 *Led numerical exercise solving sessions, field measurements of a number of hydrological processes and processing of field data.*

Distribution and Treatment of Drinking Water Uppsala University, Autumn 2011 - 2012 *Assisted students during laboratory work, graded exercises and exams.*

GIS for Water Resources Uppsala University, Spring 2012 - 2016 *Constructed laboratory instructions and assisted students during laboratory work.*

Runoff Uppsala University, Autumn 2012 - 2014 *Assisted students during laboratory work.*

Soil Mechanics and Engineering Geology Uppsala University, Autumn 2012 - 2015 *Reviewed concepts of classical mechanics at the beginning of the course and graded exercises.*

Groundwater and Runoff modelling Uppsala University, Autumn 2012 - 2014 *Led a project on hydrological modelling using HBV and graded reports.*

Statistical Methods in Hydrology Uppsala University, Spring 2012 *Graded exams.*

Snow Physics and Hydrology Uppsala University, Fall 2015 *Assisted students during laboratory work.*

Field Course in Earth Science II Uppsala University, Spring 2013 - 2014 *Led field measurements of a number of hydrological processes.*

Global Hydrology Uppsala University, Autumn 2011 *Led topographic field measurements.*

OTHER ACADEMIC ACTIVITIES

- 2016** **Translator for EGU's Planet Press outreach initiative**
- Picturing the Northern Lights (Spanish translation)
- Tiny Plankton could have a big impact on Earth's climate (Spanish translation)

REPRESENTATION DUTIES

- 2014 - 2016** PhD student representative at the Centre for Natural Disaster Science (CNDS) Program board
- 2013** PhD student representative at the Department of Earth Sciences Board, Uppsala University, Uppsala, Sweden
- 2007** Student representative at the Geology Section Board, Universitat Autnoma de Barcelona, Barcelona, Spain

GRANTS, AWARDS, & HONOURS

- 2016** EGU Photo contest 2016 winner
- 2014** Liljewalchs travel grant
- 2010** The Swedish-Spanish Foundation for the Promotion of Education and Studies Scholarship
- 2007** ERASMUS Scholarship

SKILLS

PROGRAMMING

Python • Matlab • L^AT_EX • Markdown

SOFTWARE

ArcGIS • QGIS • HBV

LANGUAGES

Native: Catalan • Spanish

Fluent: English • French

Intermediate: Swedish